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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,003	09/18/2003	Werner Boeck	41156US	5834
29450	7590	09/22/2004	EXAMINER	
BARLEY SNYDER, LLC 1000 WESTLAKES DRIVE, SUITE 275 BERWYN, PA 19312			TSUKERMAN, LARISA Z	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/665,003

Applicant(s)

BOECK ET AL.

Examiner

Larisa Z Tsukerman

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 September 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13, 14 and 16 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-12 and 15 is/are rejected.
- 7) ☒ Claim(s) 3, 6, 8 and 10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 4, 14 and 15 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 4 and 14 are confusing, because it is not clear how “the resilient tangs” (line 2) can be **in conductive (electrical)** connection with a housing and a cover, which are “insulative”, as claimed in claim 1. Specification introduces both:

- a) a housing (page , line) and conductive housing (page , lines) and
- b) a cover (page, line) and a pivot cover(page , line), **but in claims** the applicant use “a housing” and “a cover”, that leads to confusion and misunderstanding which housing and cover does the applicant exactly mean?

In regard to claim 15, it is not clear what “cover” does the applicant mean?

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 5, 9 and 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Werner (WO 02/15340).

In regard to claim 1, a **shielded connection arrangement** for electrically connecting at least one multiple-conductor shielded 11 to a circuit carrier 4,

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the connection arrangement comprising a **housing 2** with a securable **cover 9**, and, arranged in the housing 2, insulation displacement contacts **5** for making contact with **wire conductors 13** of the least one electrical wire 12, wherein the housing 2 and the cover 9 are electrically **insulating**, and an electrically conductive **shield plate** (not marked, see "shield means" in Abstract and page 4, line 36 and page 5, line 8-9) is disposed within the insulating housing 2 and the cover 9 for shielding the interior of the housing in a manner which is substantially closed.

In regard to claim 2, Werner discloses the shield plate (not marked, see "shield means" in Abstract and page 4, line 36 and page 5, line 8-9)) configured to be fixedly inserted into the securable cover 9, as claimed.

In regard to claim 5, Werner discloses the cover 9 is mounted to pivot about a pivot axis fixed the housing 2 (see page 5, line 11).

In regard to claim 9, Werner discloses the insulation displacement contacts 5 are soldered to the printed circuit carrier 4.

In regard to claim 12, the housing 2 is formed of insulating material, otherwise it would not been shielded.

Claims 1, 2, and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Wellinsky (EP0735612).

In regard to claim 1, a shielded connection arrangement 10 for electrically connecting at least one multiple-conductor shielded 16 to a circuit carrier (not shown mating connector, see Col. 3, line 48-49),

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the connection arrangement 10 comprising a **housing** 30 with a securable **cover** 32 and, arranged in the housing, insulation displacement contacts **24 and 26** for making contact with **wire conductors** 18 the least one electrical wire 12, wherein the housing 30 and the cover 32 are electrically **insulating** (see Col.3, line 43), and an electrically conductive **shield plate** (not marked, see Col.3, lines 58-59) is disposed within the insulating housing 30 and the cover 32 for shielding the interior of the housing in a manner which is substantially closed.

In regard to claim 2, Wellinsky discloses the shield plate (not marked, see Col.3, lines 58-59) configured to be fixedly inserted into the securable cover 32, as claimed.

In regard to claim 12, the housing 30 is formed of insulating material (see Col. 3, lines 42-43).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Werner (WO 02/15340) in view of Toly (5295857).

Werner discloses most of the claimed invention, except for the cover is screwed to the housing. Toly teaches a connection between a cover 80 and a housing 84 by screws 116. Therefore, it would have been obvious to one having ordinary skill in the art at the

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time the invention was made to use element screws of Toly in structure of Wetner in order to tightly connects parts of the connector.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Werner (WO 02/15340) in view of Elisei (5695361).

Werner discloses most of the claimed invention, except for the housing has on an underside thereof at least two latching connections for securing it to the circuit carrier.

Elisei teaches mounting portions 44 to mount a connector 10 to a carrier 30. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use latching portions 44 of Elisei in structure of Werner in order to secure mount the connector to the carrier.

Allowable subject matter

Claims 13 and 16 are allowed.

Claims 3, 6, 8 and 10 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the Prior Art does not teach or suggest a shielded connection arrangement further comprising an additional **small shield plate** disposed within the housing, in electrical connection with a shield of the electrical wire.

Conclusion


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Larisa Z Tsukerman whose telephone number is (571)-272-2015. The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A Bradley can be reached on (571)-272-2800 ex. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LT, 09/07/04


THO D. TA
PRIMARY EXAMINER